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PATENT & TRADEMARK

PTO/SB/80 (12-03)

Approved for use through 11/30/2005. OMB 0651-0035
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POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO

Hereby appoint:

☐ Practitioners associated with the Customer Number:

OR

☒ Practitioner(s) named below (if more than ten patent practitioners are to be named, then a customer number must be used):

Name	Registration Number
JOSEPH E. GORTYCH	41,791

as attorney(s) or agent(s) to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with any and all patent applications assigned only to the undersigned according to the USPTO assignment records or assignment documents attached to this form in accordance with 37 CFR 3.73(b).

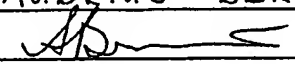
Assignee Name and Address:

MagiQ Technologies, Inc
275 Seventh Ave., 26th Floor
New York, NY 10001

A copy of this form, together with a statement under 37 CFR 3.73(b) (Form PTO/SB/96 or equivalent) is required to be filed in each application in which this form is used. The statement under 37 CFR 3.73(b) may be completed by one of the practitioners appointed in this form if the appointed practitioner is authorized to act on behalf of the assignee, and must identify the application in which this Power of Attorney is to be filed.

SIGNATURE of Assignee of Record

The individual whose signature and title is supplied below is authorized to act on behalf of the assignee

Name	AUDRIUS BERŽANSKIS		
Signature		Date	04/07/2004
Title	VP, Security Engineering and Software	Telephone	617 661 8300

This collection of information is required by 37 CFR 1.31 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

NOV 05 2003

PTO/SB/96 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Alexei Trifonov; Harry Vig.

Application No./Patent No.: 10/670,969 Filed/Issue Date: 09/19/2003

Entitled: Single-photon watch dog detector for a folded QKD system

MagiQ Technologies, a Corporation
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.
The extent (by percentage) of its ownership interest is _____ %

in the patent application/patent identified above by virtue of either:

A ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

OR

B ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

2. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

3. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☒ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Joseph E. Gortych
Signature

Joseph E. Gortych reg no 41,791
Printed or Typed Name

Nov 04, 2004
Date

802-655-7222
Telephone Number

Assignee's Auth. legal representative
Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

ASSIGNMENT OF RIGHTS, TITLE AND INTEREST IN INVENTION

This is an assignment of the followings rights, title and interest: (check all that apply):

☐ United States of America rights, title and interest in the invention

☐ Foreign rights, title and interest in the invention

☒ United States Patent Application Serial No. 10/670,969 10/670,979

Filing date: 09/19/2003 Date of execution: 11/03/04; 11/03/04

☐ United States Provisional Patent Application Serial No. _____

Filing date: _____

☐ United States Patent No. _____

☐ International (PCT) Patent Application Serial No. _____

☐ Other (specify) _____

TITLE OF THE INVENTION:

**SINGLE-PHOTON WATCH DOG DETECTOR FOR FOLDED
QUANTUM KEY DISTRIBUTION SYSTEM**

INVENTORS (Assignors):

NAME	ADDRESS
Alexei Trifonov	69 Park Drive, Apt. 8, Boston, MA 02215
Harry Vig	8 Kohlrausch Ave, N. Billerica, MA 01862

ASSIGNEE

NAME	ADDRESS
MagiQ Technologies, Inc.	275 Seventh Avenue, 26 th Floor, New York, NY 10001-6708

WHEREAS, I/WE, the above identified inventor(s), have invented certain new and useful improvements in the invention identified above and described in the above-identified patent application(s) and/or patent(s) (hereinafter referred to as the "Invention");

AND WHEREAS I/WE desire to assign my/our above-identified rights, title and interest in the Invention to the above-identified Assignee;

NOW THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I/WE as the Assignor(s) identified above hereby assign, sell and transfer our above-identified rights, title and interest in the Invention, including any divisionals, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted or haven been granted for the Invention, and in and to any and all reissues and reexaminations thereof, and in and to any and all proprietary rights, Convention rights, and other benefits accruing or to accrue to me/us with respect to filing and/or prosecuting applications for patents or securing patents in the United States and countries foreign thereto, unto the Assignee;

AND I/WE hereby authorize and request the Commissioner of Patents and Trademarks to issue any United States Letters Patents that may issue for the Invention to the Assignee of the whole right, title and interest thereto;

AND I/WE further agree to take any oaths and to sign and execute all necessary and lawful future documents in connection with filing and/or prosecuting applications for U.S. and foreign patents, divisionals, continuations and continuations-in-part of applications for patent and/or for obtaining any reissue or reexamination of any Letters Patent that may be granted for the Invention, as the Assignee or its Designee(s) may from time to time require and prepare at its own expense, and generally to do everything possible to aid the Assignee, its successors and assigns, as Assignee deems necessary to obtain and enforce proper protection for the Invention in the United States and its territorial possessions and in any and all foreign countries.

Date: 11/03/04

Signed: 
Alexei Tufonov

Date: Nov 8, 2004

Signed: 
Harry Vig